



Mechanical Rubber

PRODUCTS COMPANY, INC.

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Technical Data Sheet

TYPICAL PROPERTIES OF MR40-242B-BK-02

SPECIFICATIONS:

ASTM D1056, 2B2
ASTM D1056, SBE42
SAE J18, 2B2
GM 6086M, II

GENERAL PROPERTIES:

CLOSED CELL NITRILE FOAM

TEMPERATURE RANGE:

-40°F TO 200°F

COLOR:

BLACK

TYPICAL RESISTANCES:

DYNAMIC PROPERTIES
HYDROCARBONS-ALIPHATIC
OIL-ANIMAL & VEGETABLE
OIL & GASOLINE
RADIATION
SWELLING IN OIL
TENSILE STRENGTH

PROCESSES:

DIE CUTTING
SHEETING
FABRICATION

APPROVALS:

FMVSS-302: FLAME

PHYSICAL PROPERTIES		
PHYSICAL PROPERTY	TEST METHOD	TYPICAL RESULT
DENSITY - DUROMETER	ASTM D1056, ASTM D2240	10 - 17 PCF 40 - 60, SHORE OO
TENSILE STRENGTH	ASTM D412	80 PSI
ELONGATION	ASTM D412	180%
TEAR RESISTANCE	ASTM D624, DIE B	N/A
WEATHER RESISTANCE	UV OZONE	EXCELLENT FAIR
COMPRESSION DEFLECTION	ASTM D575, ASTM D1056	5 - 9 PSI
ACCELERATED LINEAR SHRINKAGE	ASTM D573, ASTM D1056	5%
WATER ABSORPTION	ASTM D1056	5%
FUEL B, RESISTANCE	ASTM D471	50%
FLAMMABILITY	FM VSS NO. 302	PASS

The above information is furnished as a guide for selecting materials. Mechanical Rubber disclaims liability for results or use of this information. It is the end user's responsibility to obtain and test samples when determining suitability of material for a particular application.

